

Figure 1
Prior Art

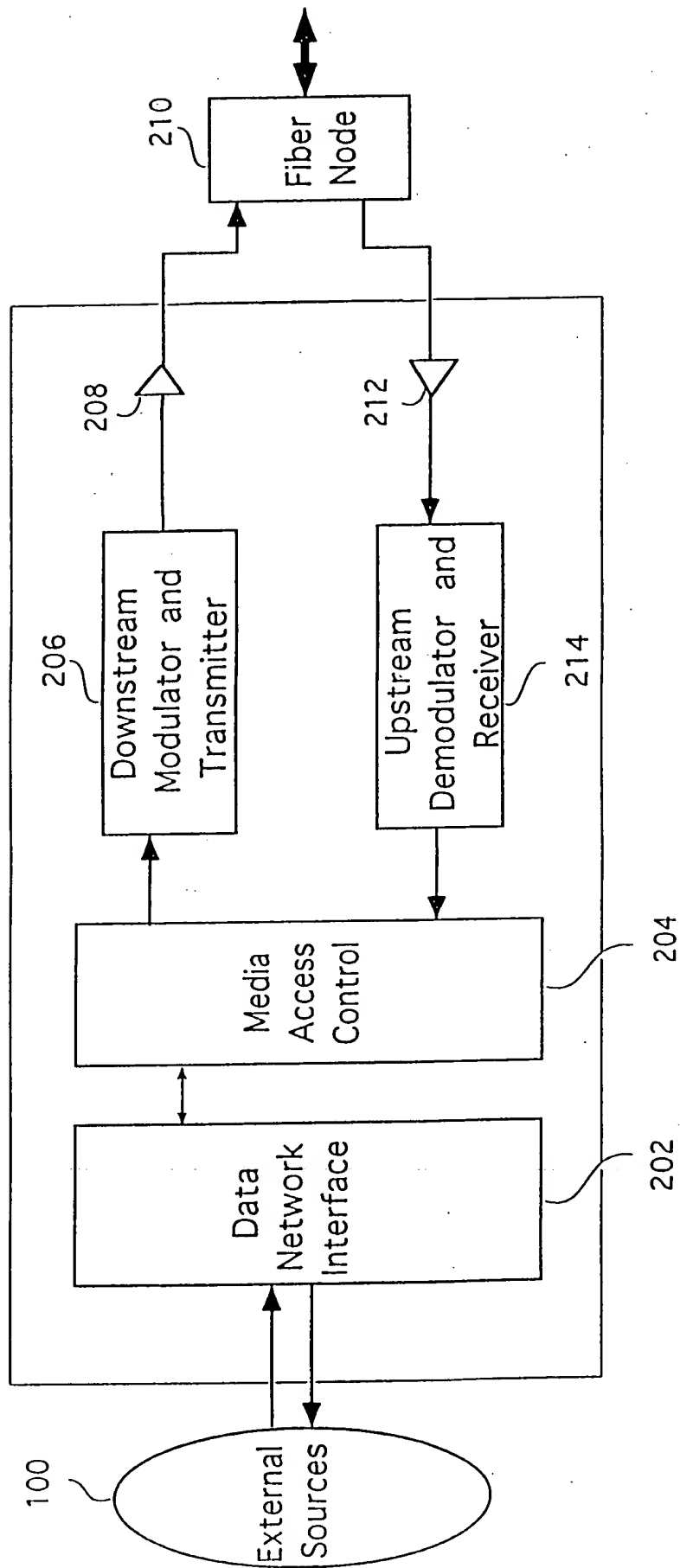


Figure 2
Prior Art

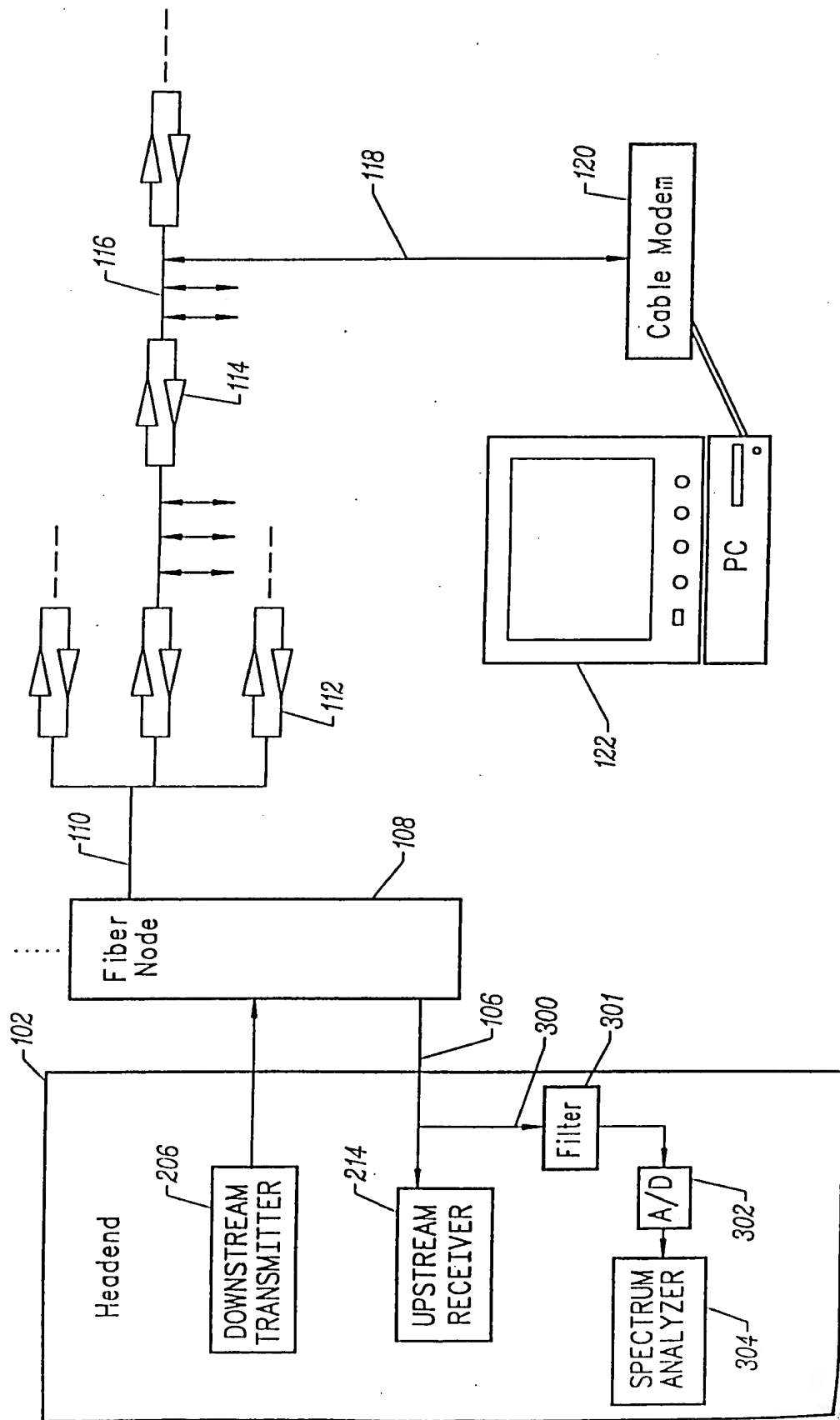
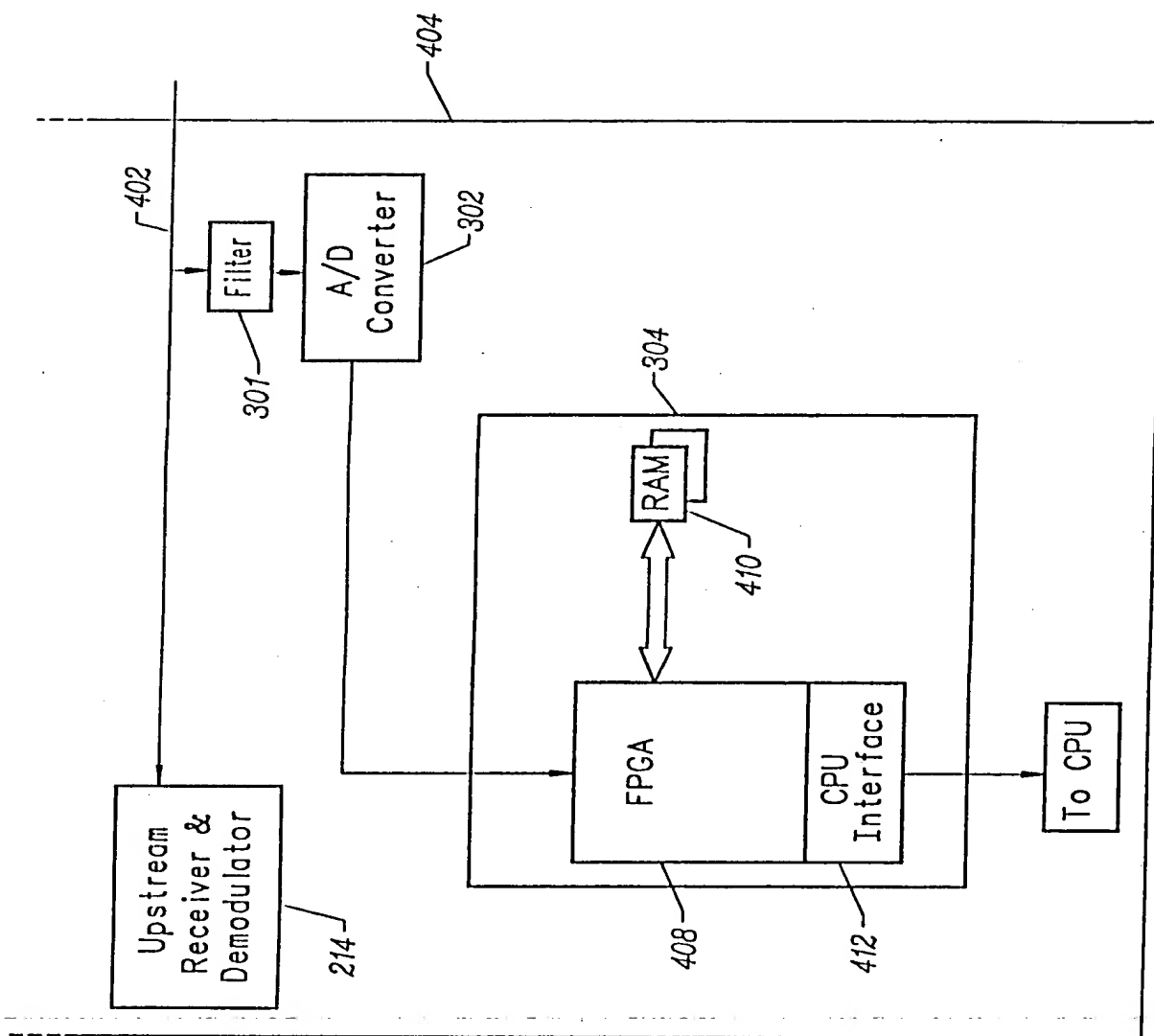


FIG. 3

FIG. 4



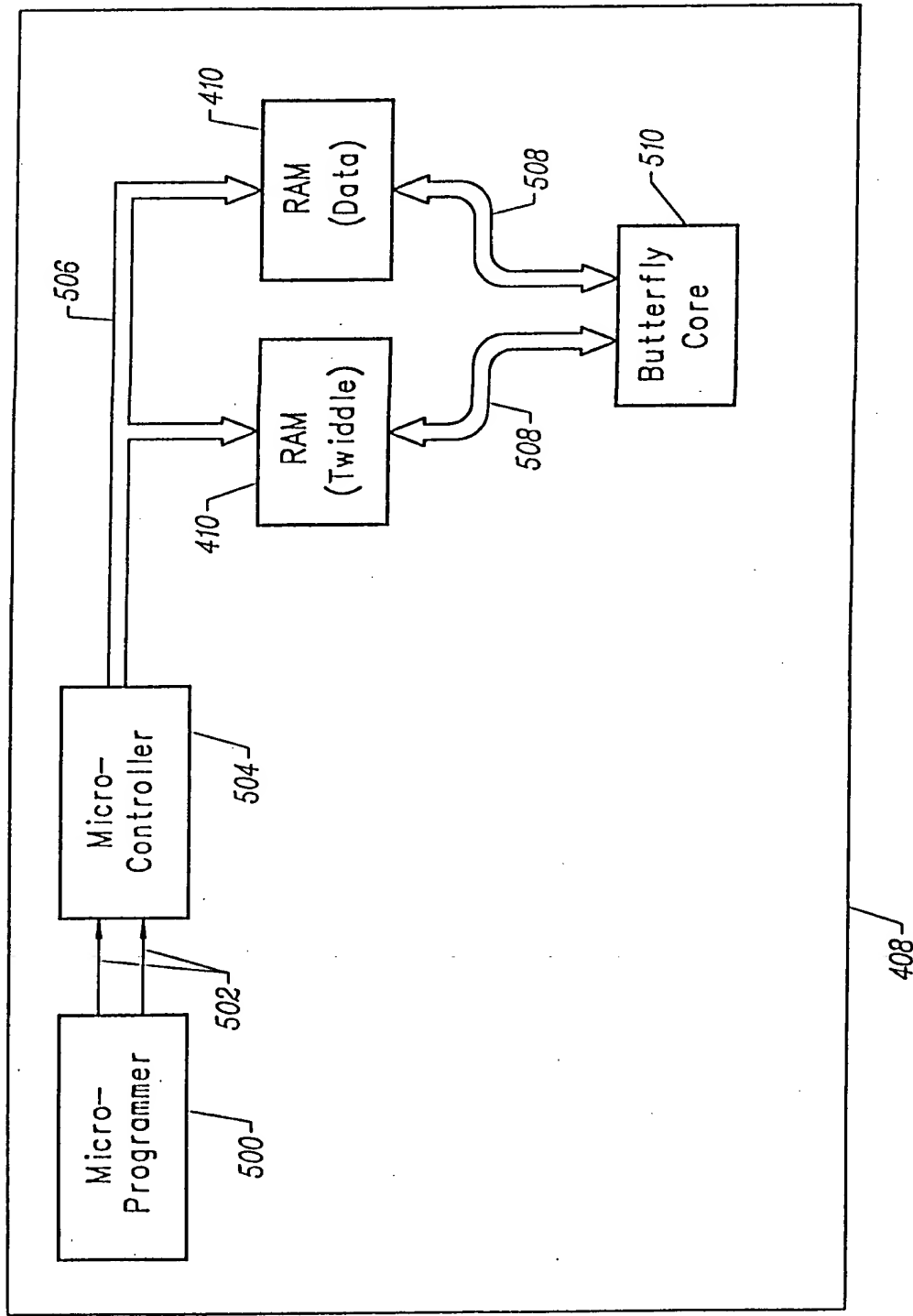


FIG. 5

BEGIN

FIG. 6A

Cable Modem allocated time slot ~602

Upstream receiver & spectrum analyzer informed of timeslot ~604

Perform FFT on data during time slot ~605

MAC assigns "dummy" time slot ~606

Upstream receiver & spectrum analyzer informed of "dummy" time slot ~608

Perform FFT on upstream spectrum during reserved "dummy" time slot ~610

Calculate difference between FFT measurements taken during allocated time slot and "dummy" time slot ~612

A

60200 1000000000

FIG. 7

